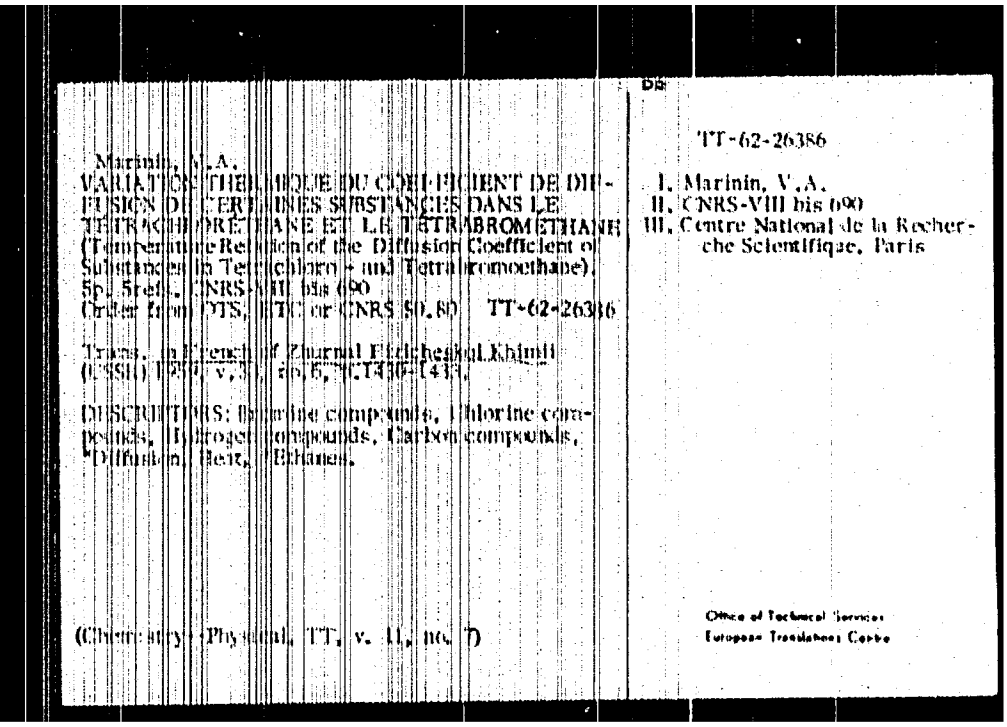
APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



DS

TT-62-26386

Marinin, V.A.
VARIATION THEORIQUE DU COEFFICIENT DE DIFFUSION DE CERTAINES SUBSTANCES DANS LE TETRACHLORETHANE ET LE TETRABROMETHANE
(Temperature Relation of the Diffusion Coefficient of Substances in Tetrachloro- and Tetrabromoethane).
5p, 5ref., CNRS-VIII bis (90)
Order from: OTS, PTC or CNRS $0.80 TT-62-26386

Trans. in French of Zhurnal Fizicheskoi Khimii
(USSR) 1956, v.30, no.6, pp.1430-1435.

DESCRIPTORS: Bromine compounds, Chlorine compounds, Hydrogen compounds, Carbon compounds, *Diffusion, Heat, Ethanes.

I. Marinin, V.A.
II. CNRS-VIII bis (90)
III. Centre National de la Recherche Scientifique, Paris

(Chemistry - Physical, TT, v. 11, no. 7)

Office of Technical Services
European Translations Center

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

The Thermodynamics of the Superstate, by V. K. Semenchenko, 8 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, 1959, pp 1440-1446.

AEC Tr-4271

Sci - Phys
9 Mar 61

141,572

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Applying Thermodynamics of Irreversible Processes to the Phase Theory. The Case of the Two Component Two-Phase System at Constant Temperature and Pressure, by Kiril A. Popov.
RUSSIAN, per. Zh. Fiz Khim, Vol 32, 1958, pp 1638-47.
NAPD-tr-57

Sci - Chem
Oct 67 342,701

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Ion Hydration and Its Mechanism. The Structure and Dimensions of Hydrated Ions, by A. F. Kapustinskiy, 15 pp.

RUSSIAN, pub, Zhur Fiz Khim, 1958, Vol XXXII, No 7, pp 1648-1657.

SLA 60-17725

Sol

3 Mar 62

184, 171

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Andreeva, V. V. and Shishakov, N. A.
DE L'EPAISSEUR DES PELLICULES D'OXYDES SUR CERTAINES METAUX SELON LES DONNEES DES ETUDES ELECTRONOGRAPHIQUES ET OPTIQUES
[On the Thickness of Oxide Films on Some Metals from the Data of Electron Diffraction and Optical Investigations] tr. by de Trevinsky. 22 Mar (4) [8]p. 5 refs.
CEA Trans. no. R 855 (text in French).
Order from OTS or SLA $1.10 61-23816

Trans. in French of ZA[urnal] Fiz[icheskoi] Khim[ii] (USSR) 1958 v. 32 no. 7, p. 1671-1672.
A translation in English is available from LC or SLA mf$1.80, ph$1.80 as AEC-tr-3955, Jan (60. 5p.

DESCRIPTORS: *Metals, *Oxidation, *Thin films, *Oxides, Electron diffraction analysis, Optical analysis, Thickness.

For abstract see Technical Translations 3: 776, 1960. (Chemistry--Physical, TT, v. 6, no. 6)

61-23816

I. Andreeva, V. V.
II. Shishakov, N. A.
III. CEA-tr-R855
IV. Commissariat à l'Énergie Atomique (France)

176696

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Plant by Airmail R--13363-D
Req. 15X-71 28 June 1971

Zhur. F.K. Him. Vol. 32, pp. 1690-1691. (1958).
(Russian: Journal of Physical Chemistry)

Medvedev, V. A.

Language: Russian

Please translate 4 type 1 copy only.

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Method of Calculating the Thermodynamic Properties of Some Compounds Without Knowledge of Their Vibration Spectra, by Yu. P. Blokov, P. G. Kuznetsov. UKR.

RUSSIAN, Zur. Fiz Khim, Vol XXXII, 1958, pp 1715-1725.

NAIR LIB No. 1285

(1 Jan)

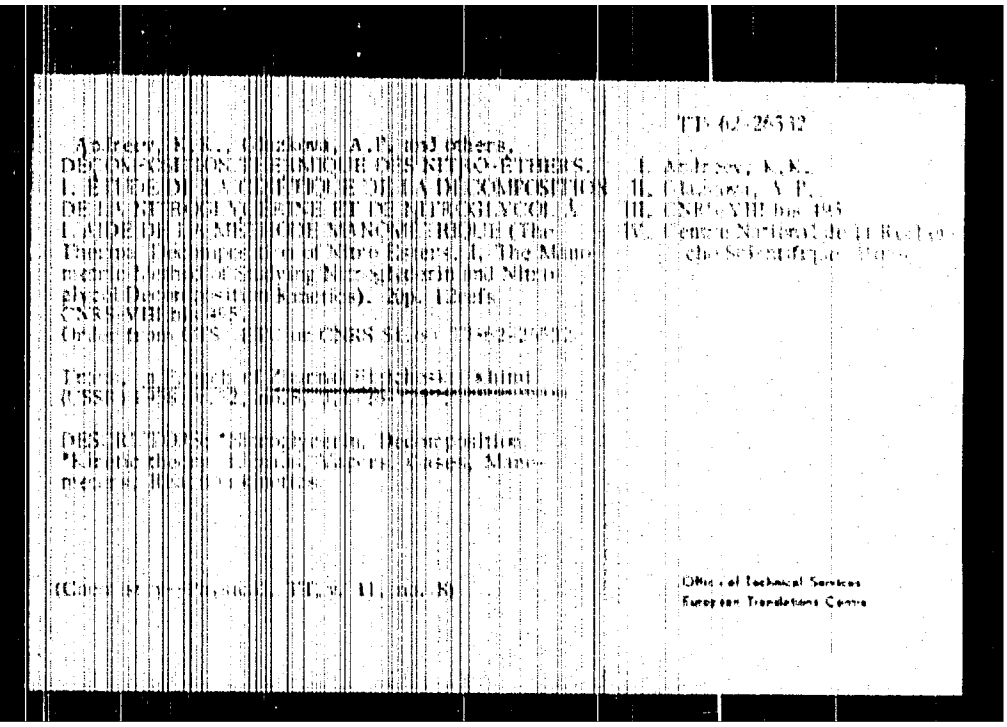
111/137

Bel. + Phys. Chem

ben 60

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



TT-62-25512

I. Andreev, K.K.
II. [illegible], A.P.
III. CNRS-VIII bis 195
IV. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

The Approximation Computation of the Temperature Function of Heat Capacity, by M. Kh. Karapet'yants, 14 pp.

RUSSIAN, per: Zhur Fiz Khim, Vol XXXII, No 8, 1958, pp 1763-1773.

OTS 60-17719

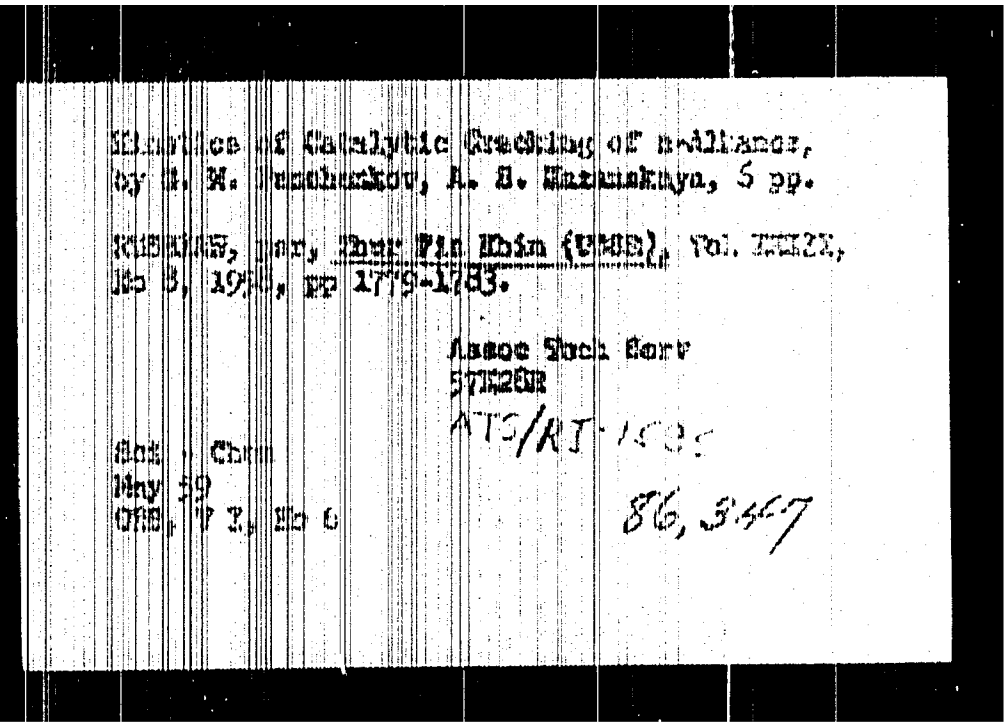
Sed.

30 Mar 62

188. 91.9

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



Effect of Catalytic Cracking of Naphthenes,
by N. M. Emanuel', A. B. Mazumdya, 5 pp.

Kinetika, Kat, Zhur Fiz Khim (USSR), Vol. XXIX,
No 8, 1955, pp 1779-1783.

Assoc Tech Serv
57R2UR
ATS/AT-1[illegible]

Bot. Chem
May 59
Chem, U.S., No 6

86, 347

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

The Mechanism of the Cathode Process in the Electrolysis of a Fused NaCl-$CaCl_2$ Mixture on an Iron Cathode, by L. Sheikii, 19 pp.

RZhKhim, per, Zhur Fiz Khim, Vol XXXII, 1958, pp 1785-1795.

AEC Tr 3658

Sci - Phys

Jun 59

88,899

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Catalytic Properties of Cerium Dioxide in the Dehydrogenation and Dehydration of Alcohols and in the Dehydrogenation of Cyclohexane, by A. A. Tolstopyatova, A. A. Balandin.

RUSSIAN, Zhur Fiz Khim, Vol XXXII, No 8, 1958, pp 1831-1841.

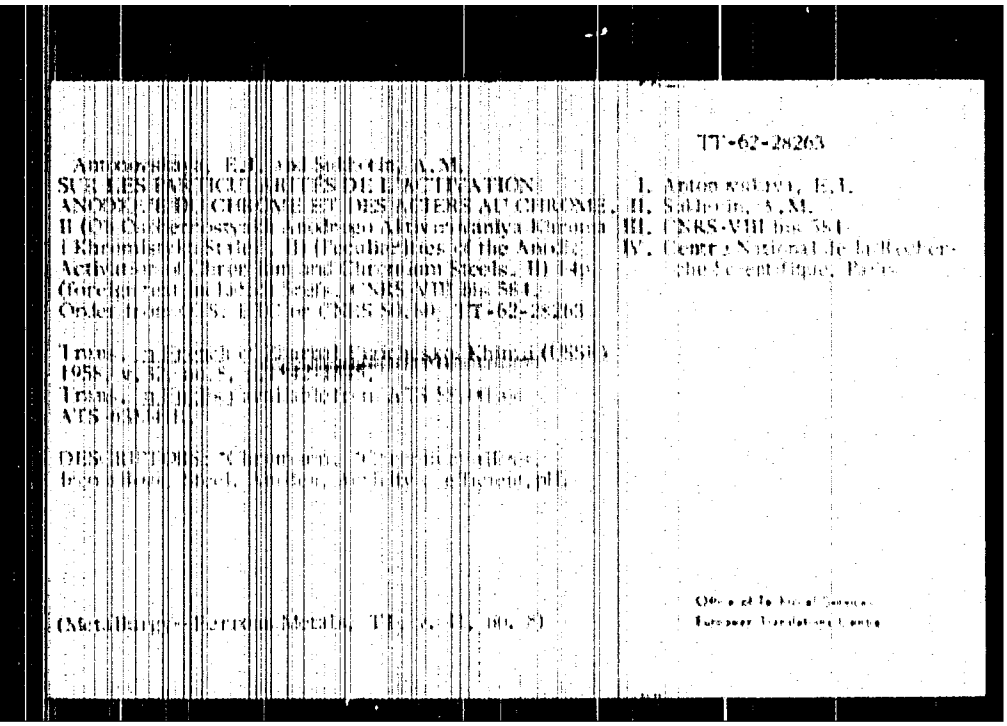
AMB RJ-1903

Sci - Chem
Dec 59

104,080

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



TT-62-28263

Antonevych, E.I. and Sakhnin, A.M.

SURLES PARTICULARITES DE L'ACTIVATION ANODIQUE DU CHROME ET DES ACIERS AU CHROME. II (On Particularities of the Anodic Activation of Chromium and Chromium Steels. II) (Foreign Technical Series, CNRS VIII bis 564). Order from: O.T.S. For CNRS 50.00. TT-62-28263

Translation of Zhurnal Fizicheskoy Khimii (USSR) 1958, v. 32, no. 5, [illegible]. Translated in ATS 6(1) 64, 1.

DBS [illegible]

(Metallurgy--Ferrous Metals, TT, v. 11, no. 8)

I. Antonevych, E.I.
II. Sakhnin, A.M.
III. CNRS-VIII bis 564
IV. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translation Center

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

S-322/60 (NY-3919)

Studies of Thermodynamic Properties of Substances With the Aid of the Method of Explosion in a Spherical Bomb, by V. A. Medvedev, 12 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 8, 1958, pp 1851-1858.

JPRS 2842

Sci - Chem

Jul 60

120,061

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Enthalpy of Corundum in the Temperature Range From 100 to 900° C, by K. Z. Gomelskiy, 8 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 8, 1958, pp 1895-1862.

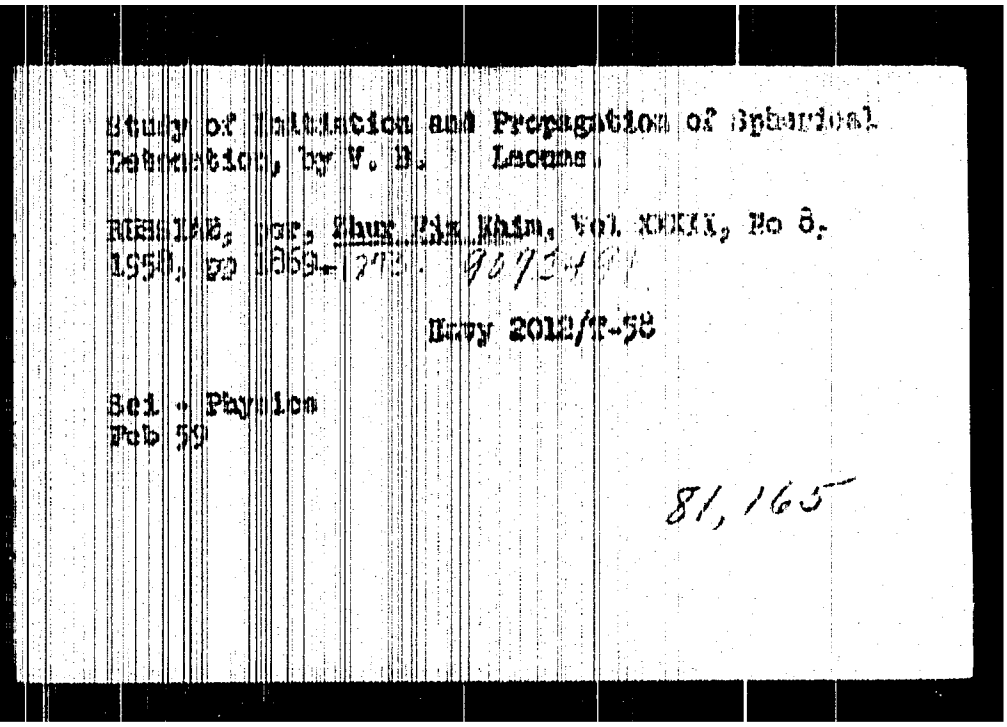
Dept of Commerce
Natl Bur of Standards
Dr Henry Kirnbaum

[redacted]
Sci - Chemistry
Jun 59

89,476

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



Study of Inhibition and Propagation of Spherical Detonation, by V. B. Lacoma.

Rev Mod Phys, Univ Chin Phil, Vol XXXII, No 3, 1950, pp 359-[illegible]

Navy 2012/1-58

Bel - Physics
Feb 59

81,165

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Leont'ev, E. A. and Luk'yanovich, V. M.
TECHNIQUE DE PREPARATION DES CORPS POREUX ET PULVERULENTS POUR L'ETUDE AU MICROSCOPE ELECTRONIQUE PAR LA METHODE DES REPLIQUES [Tekhnika Prigotovleniya pri Provedenii Elektronno-Mikroskopicheskikh Issledovanii Poristykh i Porashkoobraznykh Ob"ektov Metodom Replik] (Technique for Preparation of Porous Bodies and Powders for Electron Microscopic Study by the Replica Method) tr. by Bouchicot, 21 Jan 60 [14]p. 8 refs. CEA Trans. No. R 812 (Orig. in Fr.)
Order from OTS or U.S.A $1.60 61-23784

Translated from Zh[urnal] Fiz[icheskoi] Khim[ii] (USSR) 1958, v. 32, no. 9, p. 1922-1925

DESCRIPTORS: *Porous materials, *Powders, Electron

(Physics--Optics, TT, v. 6, no. 7)

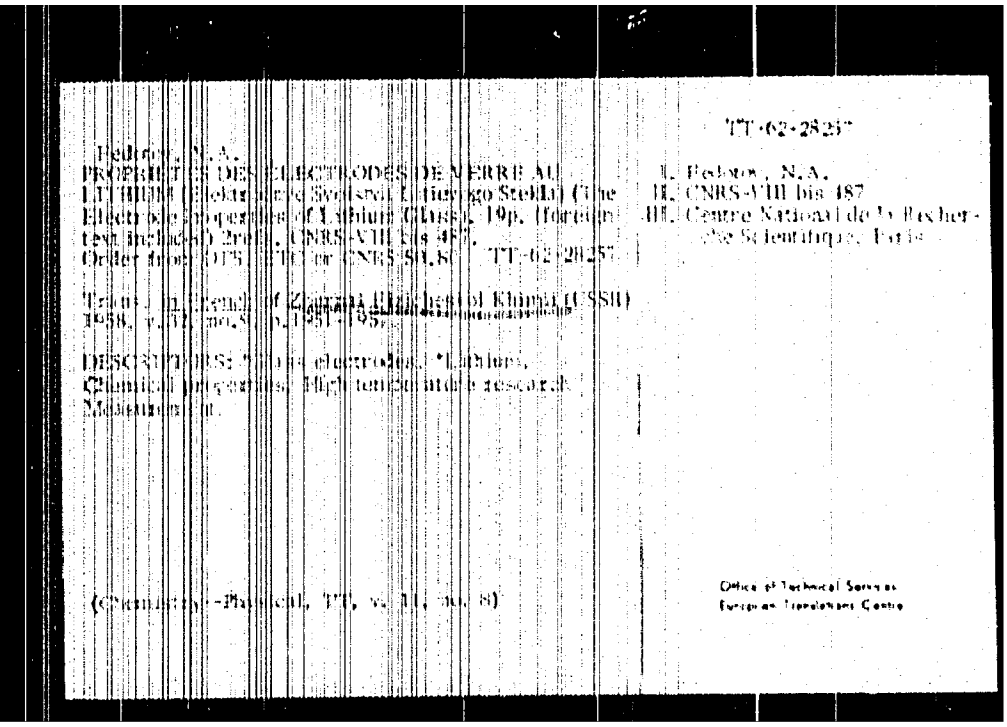
61-23784

1. Title: Replicas
I. Leont'ev, E. A.
II. Luk'yanovich, V. M.
III. CEA-tr-R812
IV. Commissariat à l'Energie Atomique (France)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



TT-62-28257

Fedorov, N.A.
PROPERTIES OF ELECTRODES OF TERRE AU
LITHIUM (Elektrodnyye svoystva L [illegible] Stella) (The
Electrode Properties of Lithium Glass). 19p. (Foreign
text included) Zhur. [illegible]. CNRS-VIII bis 487.
Order from: OTS, [illegible] or CNRS 501.80 TT-62-28257

Trans. fr. Zhurnal Fizicheskoy Khimii (USSR)
1958, v.32, no.8, p.1951-1955.

DESCRIPTORS: *Glass electrodes, *Lithium,
Chemical properties, High temperature research,
Measurements.

(Chemistry-Physical, TT, v.11, no.8)

I. Fedorov, N.A.
II. CNRS-VIII bis 487
III. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
Foreign Translations Center

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Investigation of Hydrogen Over-Voltage on
Cadmium, by Ye. A. Yefimov, I. G. Yermolinchuk
9 pp.

RUSSIAN, per, Zhur Fiz Khim USSR, Vol XXXII,
No 9, 1958, pp 1967-1970.

SLA 59-15004

Sci
Dec 59
Vol 2, No 4

103085

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Bogoyavlenskii, P. S.
THE EFFECT OF LARGE MONOVALENT IONS ON THE STRUCTURE OF WATER AND ITS INFLUENCE ON THE SOLUBILITY OF SALTS. [1962] 8p.
Order from ATS $15.50 ATS-00165R

Trans. of Zhurnal' fizicheskoi Khimii[i] (USSR) 1956. v. 32, no. 9, p. 2015-2021.

DESCRIPTORS: *Water, Molecular structure, Ions. *Salts, Solubility.

(Chemistry--Physical, TT, v. 9, no. 5)

13-12474

I. Bogoyavlenskii, P. S.
II. ATS-00165R
III. Associated Technical Services, Inc., East Orange, N. J.

ATS RT-5748

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

On the Passivity of Iron in Hot Concentrated Alkaline Solutions, by A. M. Sukhotin, K. M. Kortchenova (UNCLASSIFIED (1 pp.)

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 9, 1958, pp 2060-2062.

Navy 2365/NRL 757

Sci - Physics
Nov 59

CIA/FDD X-3756

101/413

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Phase and Volume Correlations in Liquid-Gas Systems Under High Pressures. VI., System Cyclohexane-Hydrogen, by I. P. Krichevskiy, F. T. Sorina, 11 pp.

RUSSIAN, per. Zhur Fiz Khim, Vol XXXII, No 9, 1958, pp 2080-2086.

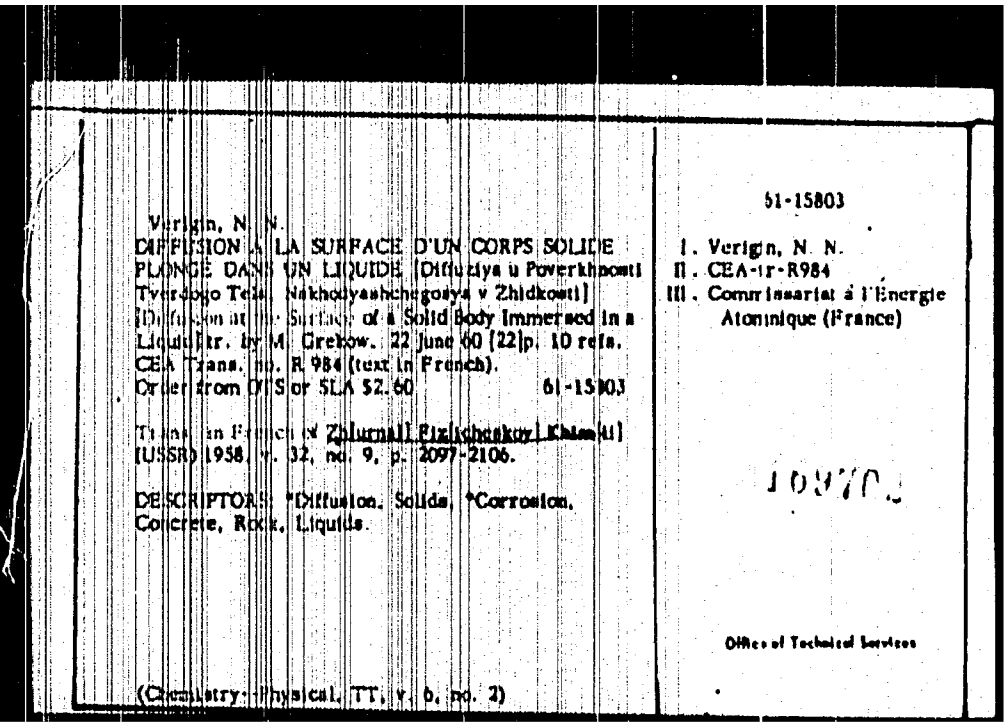
SLA 60-14057

Sci
Vol XV, No 5
Mar 62

185, 446

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



Verigin, N. N.
DIFFUSION A LA SURFACE D'UN CORPS SOLIDE PLONGE DANS UN LIQUIDE [Diffuziya u Poverkhnosti Tverdogo Tela, Nakhodyashchegosya v Zhidkosti]
[Diffusion at the Surface of a Solid Body Immersed in a Liquid] tr. by M. Grekow. 22 June 60 [22]p. 10 refs.
CEA Trans. no. R 984 (text in French).
Order from OTS or SLA $2.60 61-15803

Translation from Zhurnal Fizicheskoy Khimii [USSR] 1958, v. 32, no. 9, p. 2097-2106.

DESCRIPTORS: *Diffusion, Solids, *Corrosion, Concrete, Rock, Liquids.

(Chemistry-Physical, TT, v. 6, no. 2)

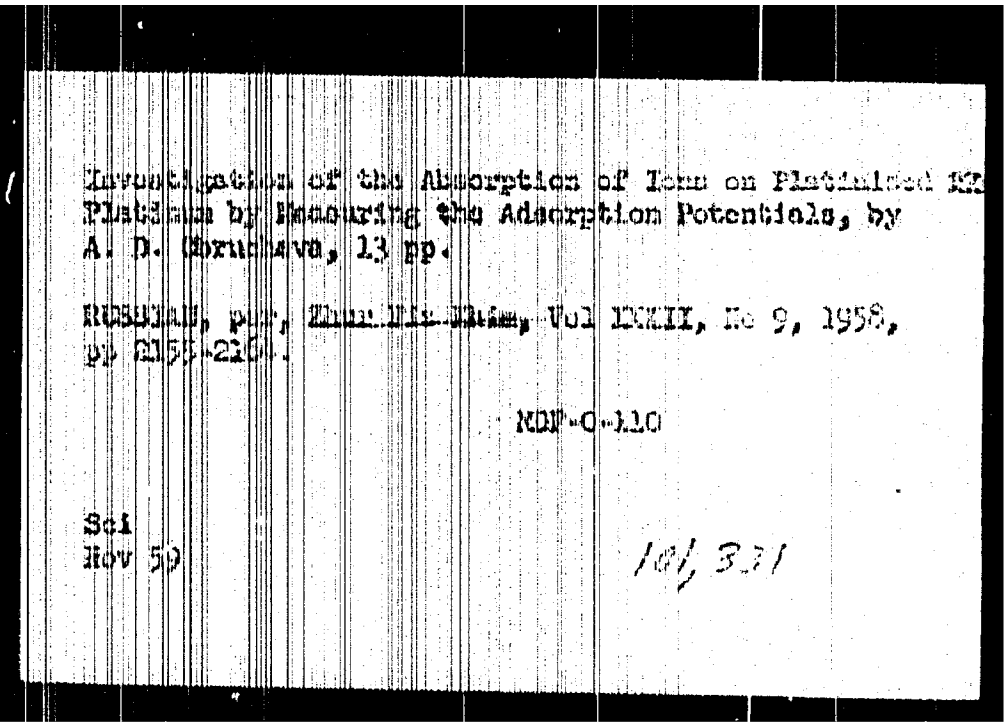
61-15803

I. Verigin, N. N.
II. CEA-tr-R984
III. Commissariat à l'Energie Atominique (France)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



Investigation of the Absorption of Ions on Platinized Pl
Platinum by Measuring the Adsorption Potentials, by
A. D. Obrucheva, 13 pp.

Russian, pp, Zhurnal Fizicheskoy Khimii, Vol XXXII, No 9, 1958,
pp 2051-2060.

NDP-O-110

Sci
Nov 59

10/ 3.7/

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Effect of Ionizing Radiation on Aqueous Solutions of Potassium Nitrate, by A. M. Kalakchi, V. A. Gramolin, 11 pp. RUSSIAN, per, Zhurnal fizicheskoiy khimiy, Vol 32, 1958, No. 9, pp 2145-2154. AEC-tr-P-TRANS P91126346B-V

Sci/Chem
Oct 68

369,446

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Dissolution Anodique des Metaux Dans les Sels Fondus, II. Beryllium. (Anodic Dissolution of Metals in Fused Salts. II. Beryllium), by M. V. Smirnov, N. Ye. Tkachukreyev, 21 pp.

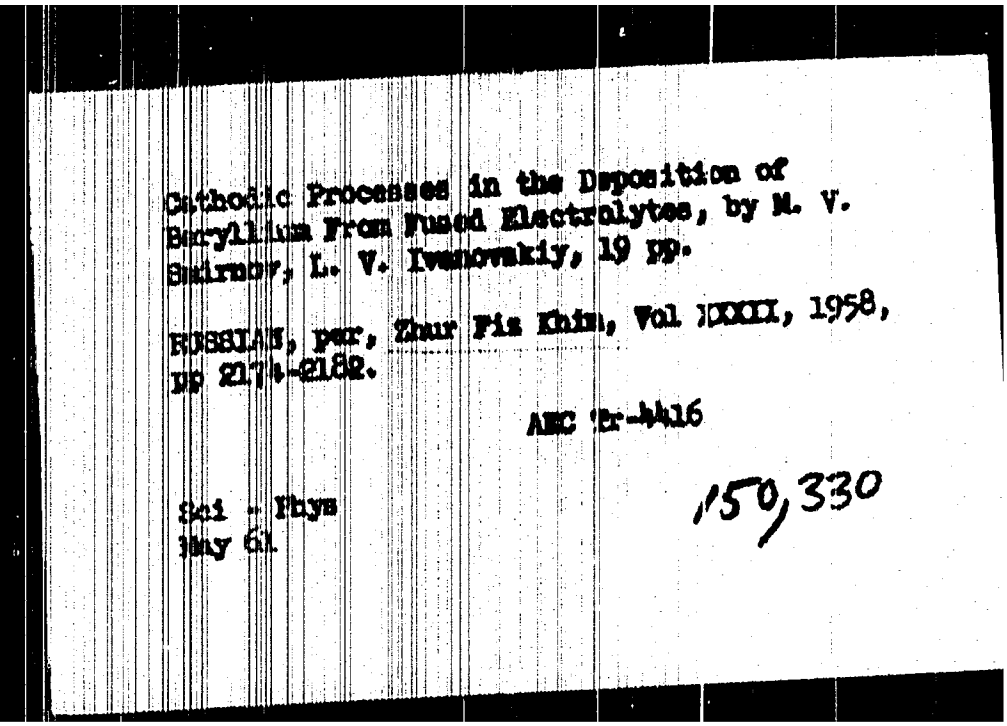
RUSSIAN to FRENCH, per, Zhur Fiz Khim Vol XXXII, 1958, pp 2165-2173.

Reverse Trans
CEA tr R-553

Nov 59

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



Cathodic Processes in the Deposition of Beryllium From Fused Electrolytes, by M. V. Smirnov, L. V. Ivanovskiy, 19 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, 1958, pp 2174-2182.

AEC Tr-4416

150,330

Sci - Phys
May 61

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Phenomenes Accompagnant le Depot Electrolytique du Beryllium a Partir des Sels Fondus. (Phenomena Accompanying the Electrolytic Deposition of Beryllium From Fused Salts), by M. V. Smirnov, L. M. Ivanovskiy, 16 pp.

RUSSIAN to FRENCH, per, Zhur Fiz Khim, Vol XXXII, 1958, pp 2174-2182.

Reverse Trans
CEA tr R-661

Nov 59

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Determination of the Specific Surface Areas of Porous Bodies and of Powders by the Method of Gaseous Flow Under Low Pressure, by S. C. Entelis.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 9, 1958, pp 2187-2191.

AMS RJ-2157

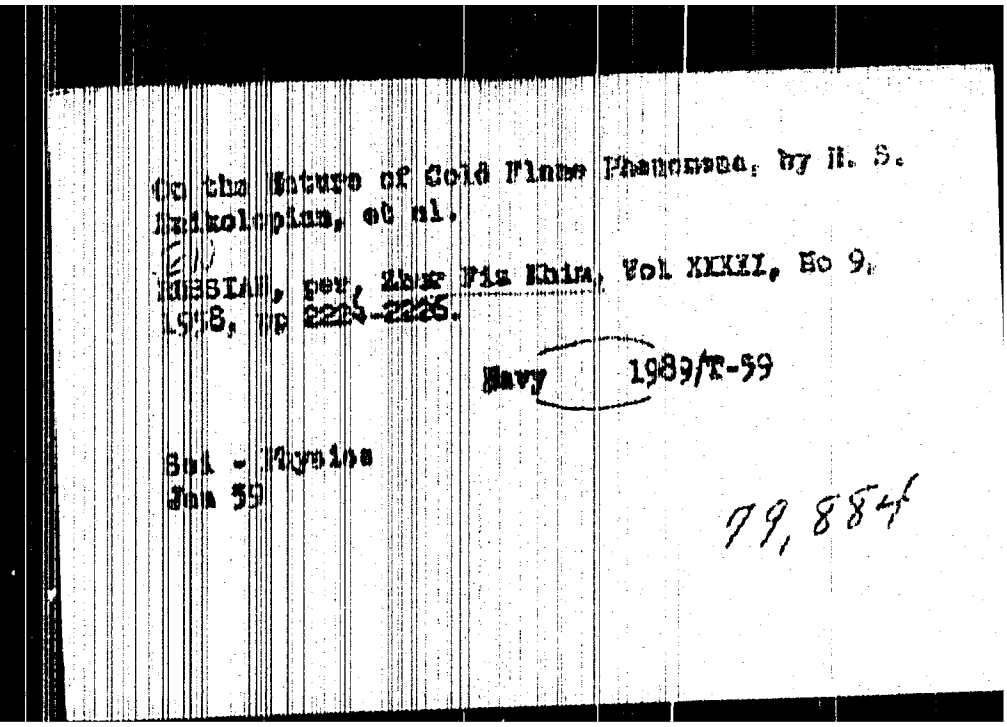
Bel - Chem

May 60

115 445

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



On the Nature of Cold Flame Phenomena, by N. S. Nikolaytan, et al.

[illegible], per. Zhur Fiz Khim, Vol XXXII, No 9, 1958, pp 2224-2226.

Navy 1989/T-59

Bul - Physics
Jun 59

79,884

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Polymerization of Chlorinated Styrene Derivatives and Their Copolymerization with Vinyl Chloride, by G. V. Tkachenko, L. V. Stupen', et al., 10 pp.

RUSSIAN, per, Zhur Fiz Khim, 1958, Vol XXXII, No 10, pp 2250-2255.

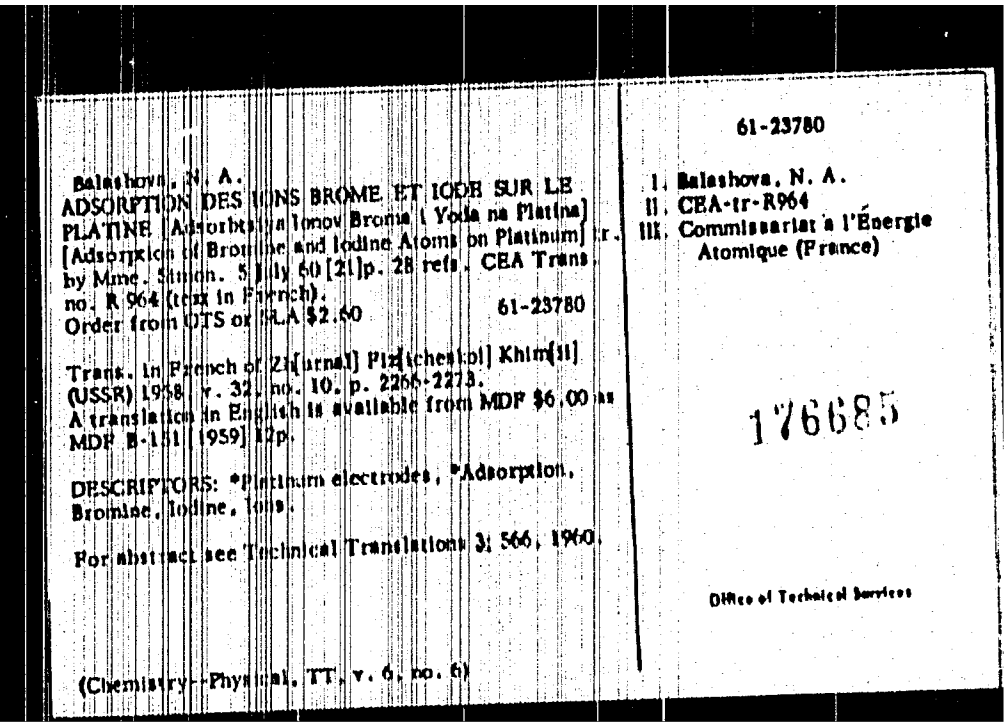
SLA 59-10445

Sci - Chem
CTS I, 12
Jun 59

92, 262

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



Balashova, N. A.
ADSORPTION DES IONS BROME ET IODE SUR LE PLATINE [Adsorbtsiya Ionov Broma i Yoda na Platine] [Adsorption of Bromine and Iodine Atoms on Platinum] tr. by Mme. Simon. 5 July 60 [21]p. 28 refs. CEA Trans. no. R 964 (text in French).
Order from OTS or PLA $2.60 61-23780

Trans. in French of Zh[urnal] Fiz[icheskoi] Khim[ii] (USSR) 1958, v. 32, no. 10, p. 2266-2278.
A translation in English is available from MDF $6.00 as MDF B-131 [1959] 12p.

DESCRIPTORS: *Platinum electrodes, *Adsorption, Bromine, Iodine, Ions.

For abstract see Technical Translations 3: 566, 1960.

(Chemistry--Physical, TT, v. 6, no. 6)

61-23780

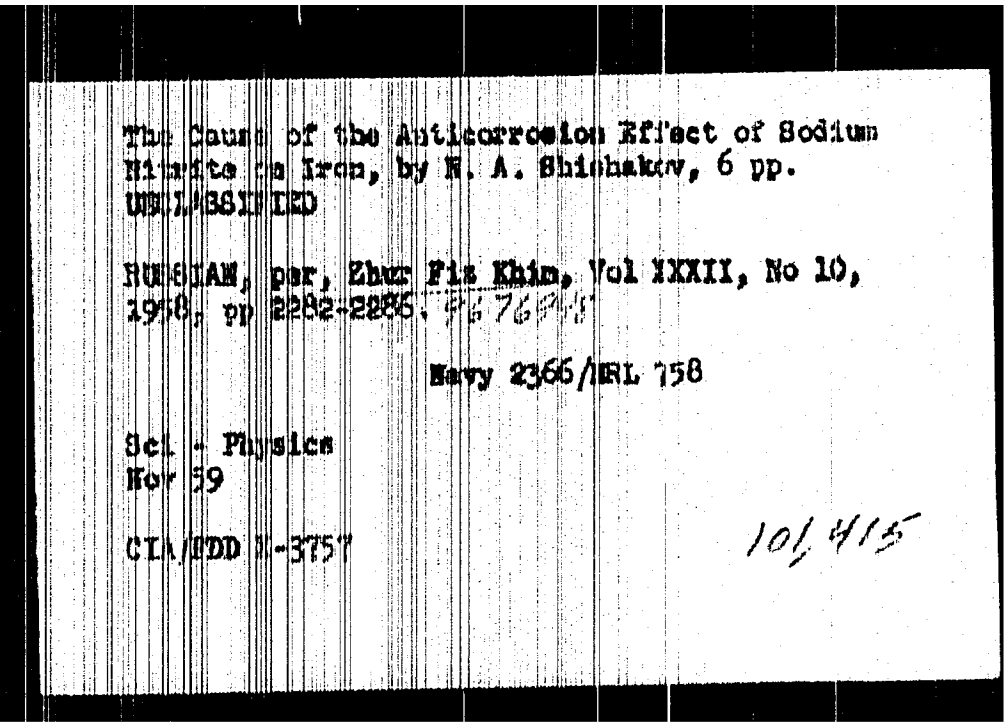
I. Balashova, N. A.
II. CEA-tr-R964
III. Commissariat à l'Énergie Atomique (France)

176685

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



The Cause of the Anticorrosion Effect of Sodium Nitrite on Iron, by K. A. Shishakov, 6 pp.
UNCLASSIFIED

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 10, 1958, pp 2282-2286.

Navy 2366/NRL 758

Sci - Physics
Nov 59

CIA/FDD M-3757

101/415

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Separation of the Photochemical From the Light-Filtering Effect and Latent Photosensitization, by Yu. S. Zhav.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 10, 1958, pp 2308-2314.

ATS RJ-1724

SLA 63-1771

Sci. - Chem.
Jul 59

90, 458

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

The Conversion of Methane to Acetylene in the High Voltage Arc, Part I, by E. N. Yeremin, et al.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 10, 1958, p 2315

Navy 2232/T-147

Sci & Chem
Jul 59

92, 812

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

The Promoting Effect of Cobalt Iron on the Chromate Ion Catalyzed Decomposition of Hydrogen Peroxide, by G. I. Petrova, G. A. Bogdanov.

RZhKhim, prin. Zhur Fiz Khim, Vol XXXII, No 10, 1958, pp 2224-2302.

ML mg 269 (Russ)

248, 283

Dek - 9/M
Pub (1)

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

The Kinetics and Mechanism of Catalytic Conversions of Acetylene, XI, Some Questions of the Mechanism of the Addition of Various Molecules to Acetylene, by R. M. Flid, 15 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 10, 1958, pp 2339-2346.

SLA 59-10044
ATS-RJ-1108

Sci - Chem
Sep 59
Vol 2, No 1

97,281

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Vagin, F. V. and Zhukhovitskii, A. A.
THEORY OF THERMAL-ADSORPTIVE SEPARATION.
26 June 61, 25p. 0 refs.
Order from OTS or SLA $2.60 63-10216

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1958, v. 32, no. 10, p. 2362-2373.

DESCRIPTORS: Adsorption, Separation, Gases, Sorption, Chromatographic analysis, Thermal diffusion, Equations of state, Theory.

A theory of thermal-adsorptive separation of gases based on the assumption of pressure equality in the sorbent layer is presented. In the case of an infinitely great sorption rate and of absence of longitudinal diffusion in the process of thermal desorption, a distribution of the adsorbed substance corresponding to the temperature field is established, the motion velocities (Chemistry--Physical, TT, v. 10, no. 3) (over)

63-10216

I. Vagin, F. V.
II. Zhukhovitskii, A. A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

On the Changing of a Semiconductor Surface
During Adsorption, by F. F. Vol'kenshteyn, 12 p.

RUSSIAN, per, Zhur Fiz Khim, 1958, Vol XXXII,
No 10, pp 2383-2391.

MDP V-135

Sci
Mar 60
Vol 2, No 11

109,670

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

On the Nature of the Negative Temperature Coefficient of the Rate of Radical Combination, by A. D. Stepukhovich.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 10, 1958, p 2415. 2411.

Navy 3233/2-1A8

OTS 60-21,721

Sci - Physics
Jul 59

92, 813

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

The Radiation Oxidation of Nitrogen. III. Some Questions Concerning the Mechanism of the Reaction and a Comparison with Electrical Discharge Data, by M. T. Dmitryev.

RUSSIAN, per. Zhur Fiz Khim, Vol XXXII, No 10, 1958, p 2418.

Navy 2834/ft-1147
OTS 60-21164

Sci - Physics
Jul 59

92, 815

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

[redacted]

The Present State of Research on the Phase Diagram of the Boron-Carbon System, by G. V. Samsonov, 7 pp

RUSSIAN, per, Zhur Fiz Khim USSR, Vol XXXII, No 10, 1958, pp 2424-2429.

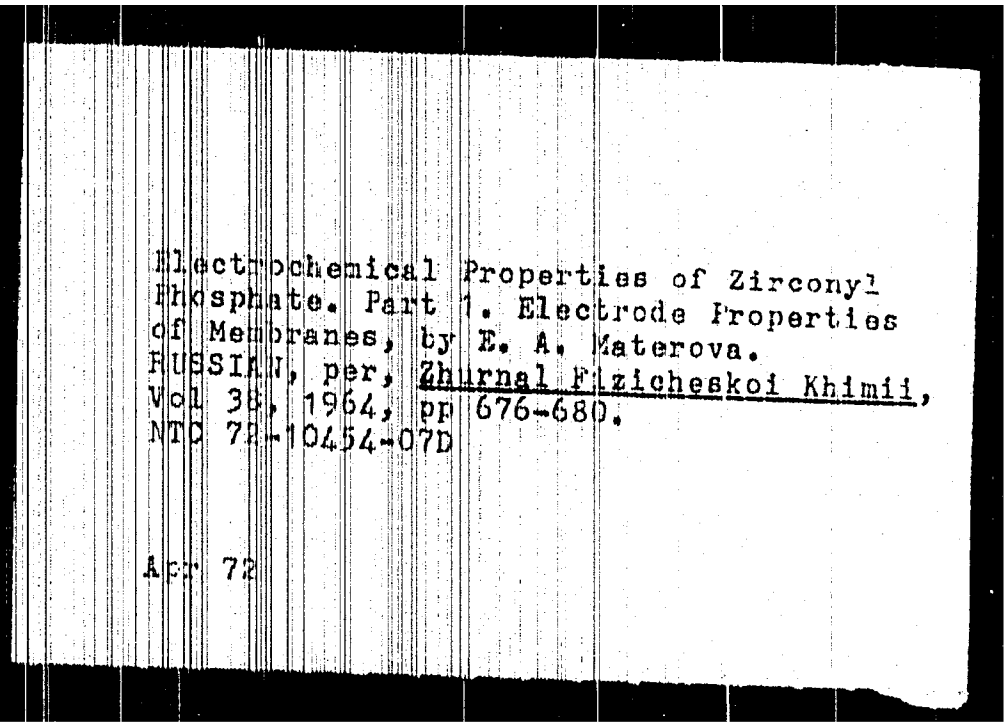
ATS-55L31

Sol
Dec 59
Vol 2, No 4

102, 778

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

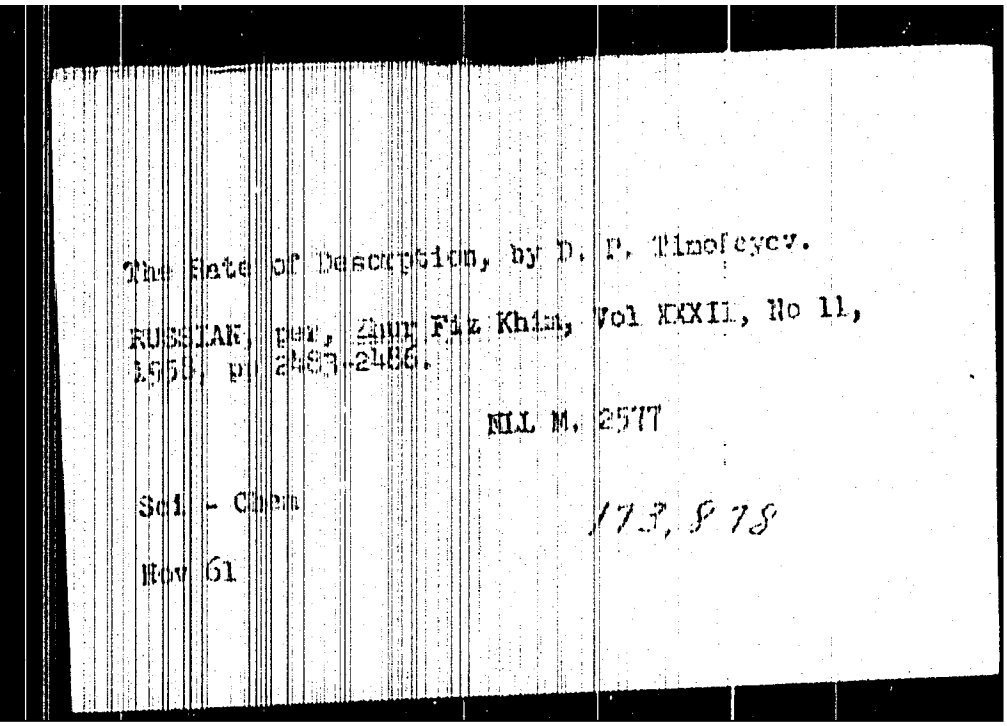


Electrochemical Properties of Zirconyl Phosphate. Part 1. Electrode Properties of Membranes, by E. A. Materova. RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 38, 1964, pp 676-680. NTC 72-10454-07D

Apr 72

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



The Role of Description, by D. P. Timofeyev.

RUSSIAN, per. Zhur Fiz Khim, Vol XXXII, No 11, 1958, pp 2483-2486.

NIL M. 2577

Sci - Chem

Nov 61

173, 8 78

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Tkachenko, G. V., Stupen, L. V. and others.
THE COPOLYMERIZATION OF VINYL CHLORIDE WITH METHACRYLIC ACID ESTERS. [1961] [9]p. 10 refs.
Order from OTS or SLA $1.10 61-20705

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1958, v. 32, no. 11 [p. 2492-2499].

DESCRIPTORS: *Vinyl chlorides, Copolymerization, Polymerization, *Acrylic acids, Acids, Esters, Benzoates, Polymers, Molecular weight.

The copolymerization of vinyl chloride with methyl-, n-butyl-, n-octyl methacrylates and vinyl benzoate was studied. The rates of the copolymerization of vinyl chloride with methacrylates and the molecular weights of the polymers in all of the corresponding monomers are less than with acrylates. These values (Chemistry--Organic TT, v. 7, no. 10) (over)

61-20705

I. Tkachenko, G. V.
II. Stupen, L. V.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Yeremin, Ye. N.
THE KINETICS OF ELECTROCRACKING OF METHANE [K Voprosu o Kinetike Elektrokrekinga Metana]
[1956] 7p.
Order from ATS 52,55 ATS-52351R

Trans. of Zhurnal Fizicheskoy Khimii (USSR)
1958, v. 32, no. 11, p. 2513-2516

DESCRIPTORS: *Methanes, Decomposition, Hydrocarbons, Reaction kinetics.

(Chemistry-Physical, TT, v. 6, no. 3)

61-22612
(63-18218)

I. Yeremin, Ye. N.
II. ATS-52351R
III. Associated Technical Services, Inc., East Orange, N. J.

ATS-RJ-2892

178323

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Studies in the Mecho-Chemistry of Polymers
XIII. Mechanical and Chemical Processes
in the Mastication of PVC, by A. A. Berlin,
et al.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII,
No 11, 1958, pp 2565-2570.

CHEM

207,417

Sci - Chem
Aug 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

The Use of the Electric Arc in Calorimetry, by A. F. Vorob'yev, S. M. Skuratov, 8 pp.

RUSSIAN, Zhur Fiz Khim, Vol XXXII, No 11, 1958, pp 2580-2585.

SLA 60-13082

Sci
Aug 61

CTS, Vol III, No 12

163,132

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

3-85/60 (MY-3554).

On the Computation of a Single Coefficient of the Separation of Isotopes for Equilibrium Processes, by Ye. M. Kuznetsova, A. V. Makarov, G. M. Panchenkov, 3 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 11, 1958, pp 2541-2543.

JPRS 2476

114,730

Sci - Chem
Apr 60

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

1/19/59

"The 40 th Anniversary of the Physico-Chemical Institute imeni L. Ya. Karpov" /unsigned article/, Zhurnal Fizicheskoy Khimii, Vol 32, No 12, Dec 58, pp 2657-2662.

SIR T-16.

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

KCH-262 107 Field 7D

Shvets, Z. A.
THE INHIBITING EFFECT AND THE STRUCTURE OF INHIBITORS. 2. THE INHIBITED POLYMERIZATION OF METHYLACRYLATE. 1965. 16p. TC-1221.
Order from TC: $15.00 as TC-1221

Trans. of Zhurnal Fizicheskoy Khimii (USSR) v32 n12 p2663-73 1958.

I. Trans-Chem
Knoxville, Tenn.
II. Title: Inhibited. . .

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

The Electrochemical and Corrosion Behavior of Steel and Nickel Electrodes in Sulphuric Acid Solutions Subjected to the Action of Rays, by N. Ya. Buzn, Ya. M. Kolotyrkin, G. B. Tyurikov, 11 pp.

RUSSIAN, pam., Zhur Fiz Khim, Vol XXXII, 1958, pp 2679-2685.

AEC NP Tr-445

Sci - Chem

125, 548

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Relation Between the Energy Yield and the Kinetics of a Radiation-Chemical Reaction, by S. Ya. Pshezhetskiy, M. T. Dmitriyev. UNCLASSIFIED

RUSSIAN, per. Zhur Fiz Khim, Vol XXXII, No 12, 1958, pp 2685-2689.

Navy 3211/ERL 727

Sci - Physics, Chem
Jul 59

92, 828

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Shatenshtein, A. I. and Izrailevich, E. A.
COMPARISON OF DEUTERO EXCHANGE AND METALLATION OF ALKYL BENZENES. [1962] [9]p. 30 refs.
Order from OTS or SLA $1.10 63-15923

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1956 [v. 32] no. 12, p. 2711-2716.

DESCRIPTORS: *Metalorganic compounds, *Potassium compounds, Amides, *Alkyl radicals, *Benzenes, *Deuterated compounds, Exchange reactions, *Metallation, Reaction kinetics

The rate of deutero exchange between a solution of potassamide (0.02N) in liquid deuteroammonia and the aromatic rings and alkyl groups of the following alkyl benzenes: $C_6H_5CH_3$, $iso\text{-}C_6H_5C_3H_7$, $tert\text{-}C_6H_5C_4H_9$, and $n\text{-}C_6H_5C_4H_9$ has been measured at 25, 10, and 0°C. It has been found that deutero exchange and the metala-

(Chemistry--Physical, TT, v. 10, no. 1) (over)

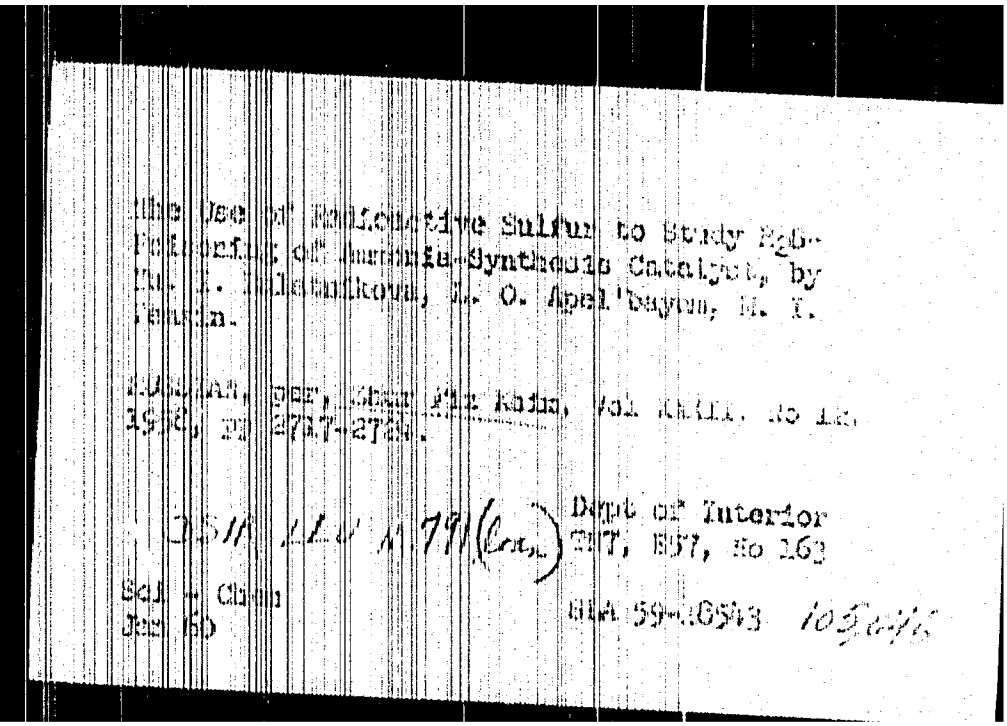
63-15923

I. Shatenshtein, A. I.
II. Izrailevich, E. A.
III. Translations, New York

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



The Use of Radioactive Sulfur to Study Mo-
Promoted Cobalt Fischer-Synthesis Catalysts, by
M. I. Temkin, Z. O. Apel'baum, M. I.

Zhur. Fiz. Khim., Akad. Nauk, Vol. XXIII, No 12,
1949, pp 1437-1439.

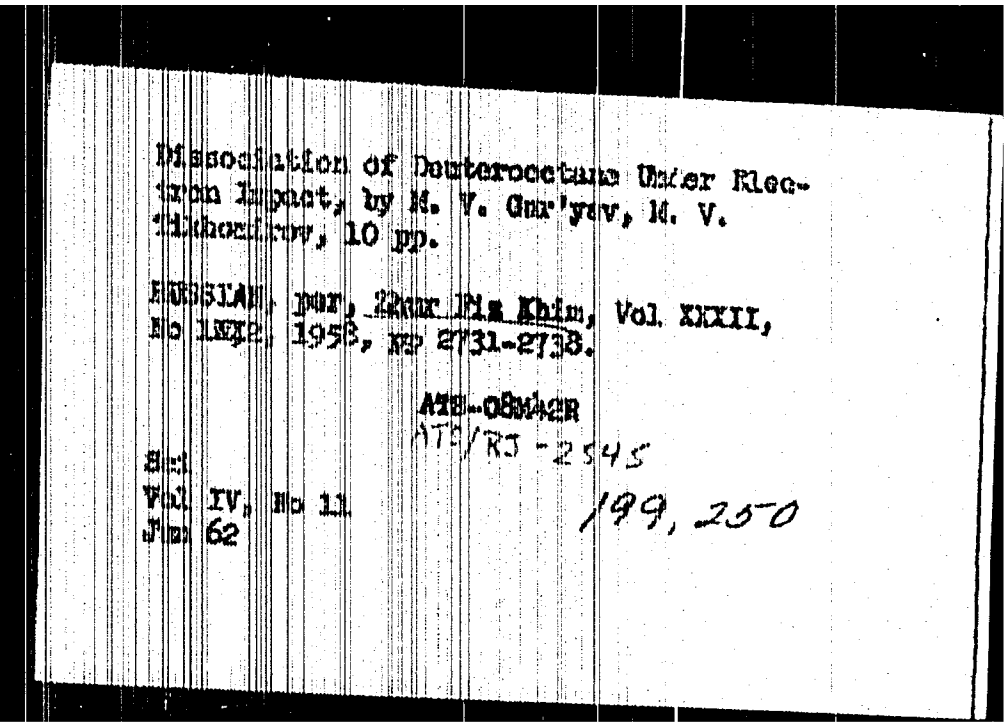
Dept of Interior
237, 257, No 163

Sol - Chem
Jan 50

BLA 59-10543 10 pages

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



Dissociation of Deuterocectane Under Electron Impact, by M. V. Gur'yev, M. V. Shcherbov, 10 pp.

RUSSIAN, Zhur Fiz Khim, Vol. XXXII, No 12, 1958, pp 2731-2738.

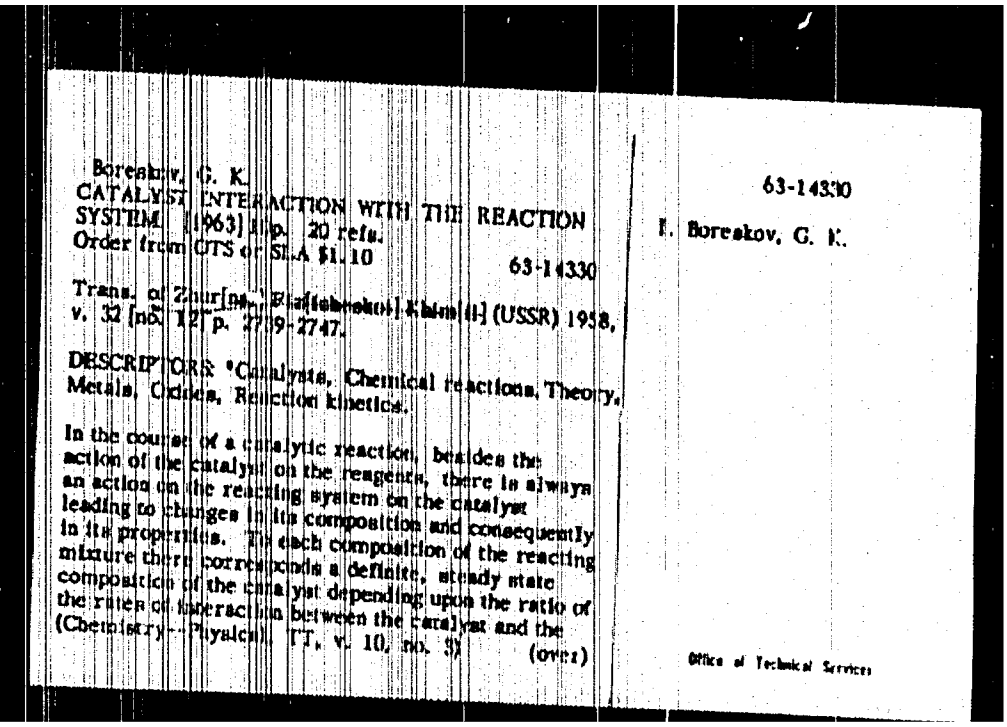
AEC-tr-5942
ATD/RJ-2545

199, 250

Bim
Vol IV, No 11
Jun 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



Boreskov, G. K.
CATALYST INTERACTION WITH THE REACTION SYSTEM. [1963] 11 p. 20 refs.
Order from OTS or SLA $1.10

63-14330

Trans. of Zhur[nal] Fiz[icheskoi] Khim[ii] (USSR) 1958, v. 32 [no. 12] p. 2719-2747.

DESCRIPTORS: *Catalysts, Chemical reactions, Theory, Metals, Oxides, Reaction kinetics.

In the course of a catalytic reaction, besides the action of the catalyst on the reagents, there is always an action on the reacting system on the catalyst leading to changes in its composition and consequently in its properties. To each composition of the reacting mixture there corresponds a definite, steady state composition of the catalyst depending upon the ratio of the rates of interaction between the catalyst and the (Chemistry--Physical) TT, v. 10, no. 9) (over)

63-14330

I. Boreskov, G. K.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

The Conversion of Methane to Acetylene in a High-Voltage Arc. Part 2. The Effect of Hydrogen, by B. I. Brand.

RUSSIAN, pert Zhur Prik Khim, Vol XXXII, No 12, 1958, pp 2767-2771

ATD RJ-2073

Sci - Chem

May 60

115379

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

The Mechanism of Formation of H_2O and H_2O_2 in the Reaction of Hydrogen Atoms With Oxygen Molecules, by L. M. Arkhangel'skaya, E. V. Kolesnikova. UNCL

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 12, 1958, pp 2780-2786.

DSIR LDU RM. 1218

(17a. 6d.)

100, 787

Rel - Claim
Nov 59

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

The Kinetics of Consecutive Reactions in a Recycle-Flow System, by S. V. Dobrovol'skiy, V. Ya. Poltoratskiy.

RUSSIAN, per. Zhur Fiz Khim, Vol XXIII, No 12, 1949, pp 1792-1795.

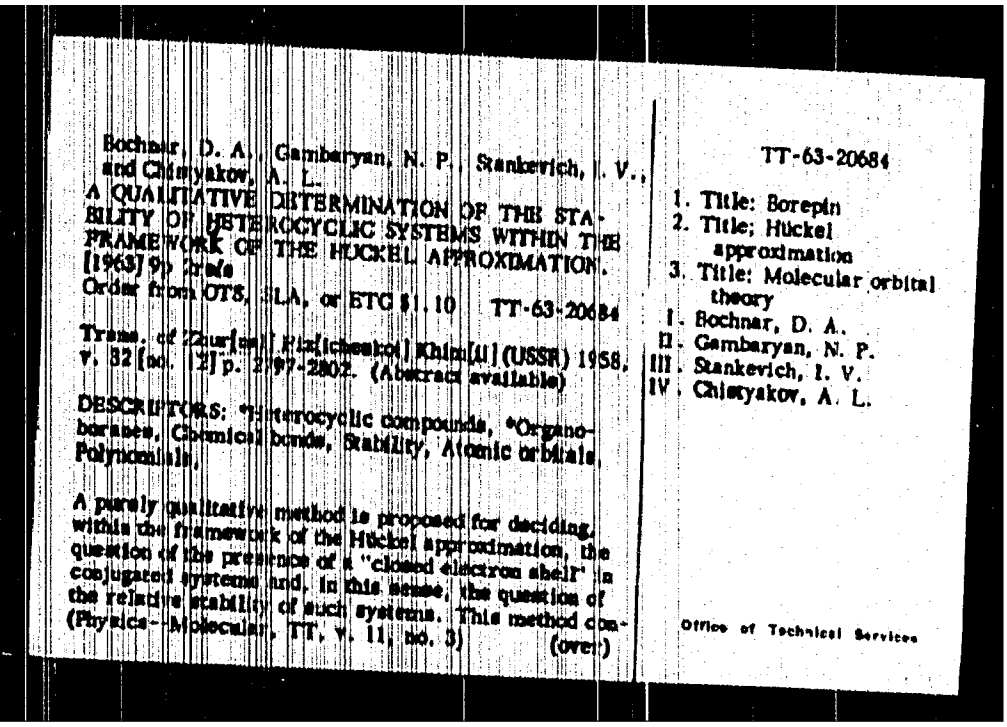
CIA
NTS RJ-2037

Sci - Chem
Dec 52

103 771

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



Bochvar, D. A., Gambaryan, N. P., Stankevich, I. V., and Chistyakov, A. L.
A QUALITATIVE DETERMINATION OF THE STABILITY OF HETEROCYCLIC SYSTEMS WITHIN THE FRAMEWORK OF THE HUCKEL APPROXIMATION. [1963] 9p. 2refs
Order from OTS, .LA, or ETC $1.10 TT-63-20684

Trans. of Zhur[nal] Fiz[icheskoi] Khim[ii] (USSR) 1958, v. 32 [no. 12] p. 2797-2802. (Abstract available)

DESCRIPTORS: *Heterocyclic compounds, *Organoboranes, Chemical bonds, Stability, Atomic orbitals, Polynomials.

A purely qualitative method is proposed for deciding, within the framework of the Hückel approximation, the question of the presence of a "closed electron shell" in conjugated systems and, in this sense, the question of the relative stability of such systems. This method com-
(Physics--Molecular, TT, v. 11, no. 3) (over)

TT-63-20684

1. Title: Borepin
2. Title; Hückel approximation
3. Title: Molecular orbital theory
I. Bochvar, D. A.
II. Gambaryan, N. P.
III. Stankevich, I. V.
IV. Chistyakov, A. L.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Thermochemistry of Isotopes. X I. Calorimetric Investigation of the Heat of Formation of Hydrogen Sulfide and Deuterium Sulfide, by A. F. Kapustinskiy, R. T. Kan'kovskiy, 12 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 12, 1958, pp 2810-2815.

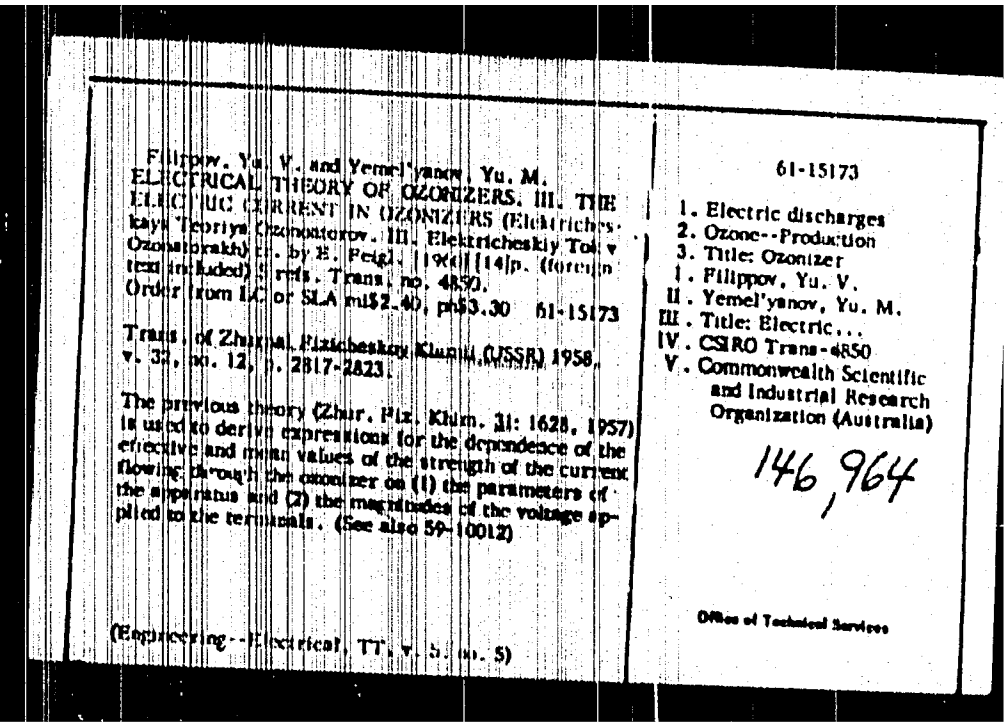
US Dept of Commerce
National Bur of Standards

Sol - Phys
May 61

148,772

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



Filippov, Yu. V. and Yemel'yanov, Yu. M.
ELECTRICAL THEORY OF OZONIZERS. III. THE ELECTRIC CURRENT IN OZONIZERS (Elektricheskaya Teoriya Ozonatorov. III. Elektricheskiy Tok v Ozonatorakh) tr. by E. Feigl. 1960. 14p. (foreign text included) figs. refs. Trans. no. 4850.
Order from LC or SLA ml$2.40, ph$3.30 61-15173

Trans. of Zhurn. Fizicheskoy Khimii (USSR) 1958, v. 32, no. 12, p. 2817-2823.

The previous theory (Zhur. Fiz. Khim. 31: 1628. 1957) is used to derive expressions for the dependence of the effective and mean values of the strength of the current flowing through the ozonizer on (1) the parameters of the apparatus and (2) the magnitudes of the voltage applied to the terminals. (See also 59-10012)

(Engineering--Electrical, TT, v. 5, no. 5)

61-15173

1. Electric discharges
2. Ozone--Production
3. Title: Ozonizer
I. Filippov, Yu. V.
II. Yemel'yanov, Yu. M.
III. Title: Electric...
IV. CSIRO Trans-4850
V. Commonwealth Scientific and Industrial Research Organization (Australia)

146,964

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

12 216 US-14 *UK-12

GUR'EV M. V., TIKHOMIROV M. V., TUNITSKII N. N.

The mass spectra of large molecules

*Zhur. Fiz. Khim., 32, No. 12, p. 2647 (1958)

US-14: ATS-09M42R. $ 2.75 - English

*UK-12: English

Euratom
ATS/R3-2546

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

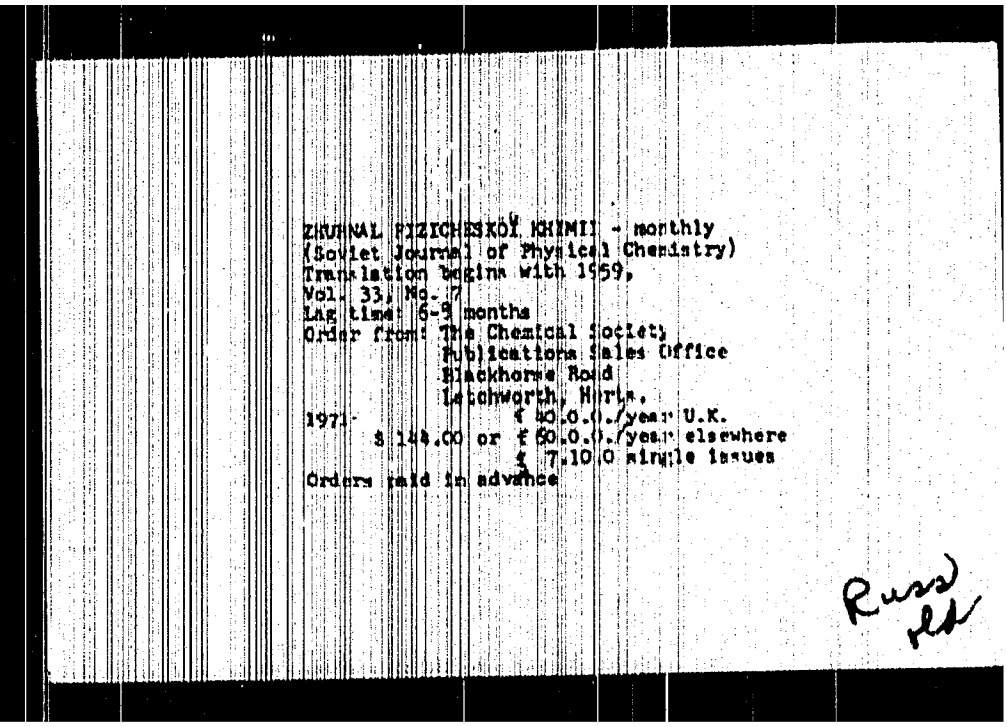
The Synthesis of Some Deuterated Aromatic Hydrocarbons and their Raman Spectra, by A. I. Shatenshtein.
RUSSIAN, per. Zh Fiz Khim, Vol 32, No 1, 1958, pp 146-151.
HEW-4TH
12-4-67

Sol/B & M
Feb 68

349,125

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



ZHURNAL FIZICHESKOI KHIMII - monthly
(Soviet Journal of Physical Chemistry)
Translation begins with 1959,
Vol. 33, No. 7
Lag time: 6-9 months
Order from: The Chemical Society
Publications Sales Office
Blackhorse Road
Letchworth, Herts.
1971- £ 40.0.0./year U.K.
$ 144.00 or £ 50.0.0./year elsewhere
£ 7.10.0 single issues
Orders paid in advance

Russ
Pol

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

ZHURNAL FIZICHESKOI KHIMII

Vol 33, Nos 7-12, 1959

Cover-to-cover Cleaver-Hume Press LTD

Available Br 5 Library

No 7, pp 1674-1675 JPRS 3368
No 12, pp 2755-2766 JPRS 2736

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Viscosity Measurements with Microamounts of Liquid, by V. S. Bondarenko.
RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 38, 1964, pp 1273-1275.
NTC 71-1,363-07D

Mar 72

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

(MY-4844)

CO + O_3 Flame Radiation and the Mechanism of This Reaction, by M. Zatoicrskiy, V. Kondrat'ev, S. Solnyshkova, 14 pp.

RUSSIAN, pub, Zhur Fiz Khim, Vol XIV, No 12, 1960, pp 1521-1527.

JPRS 7532

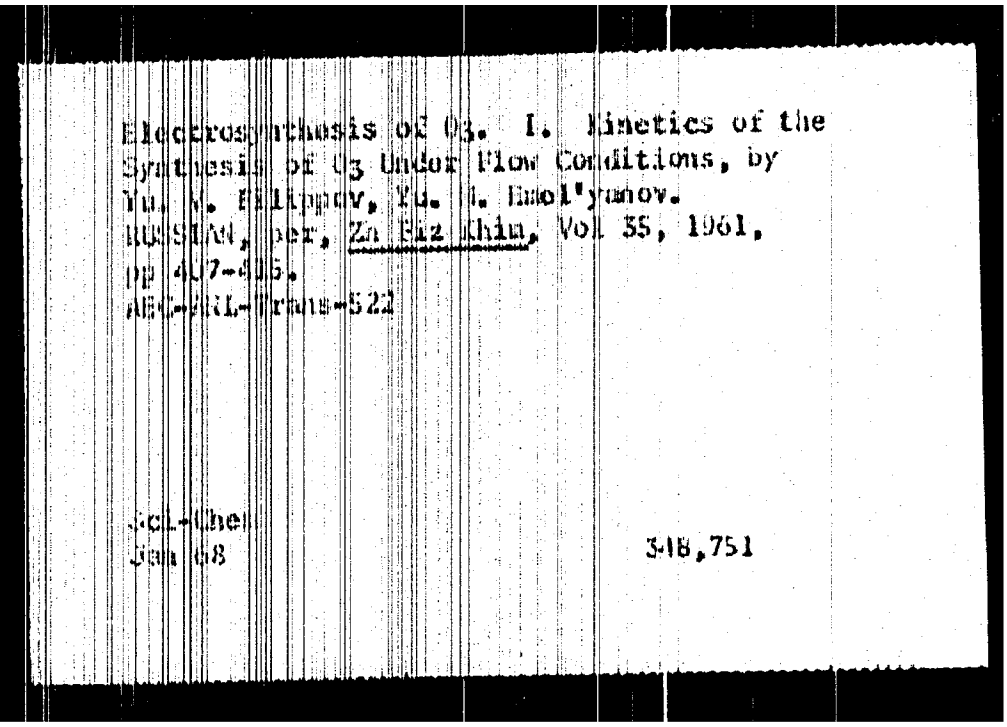
Sci - Chem

Feb 61

139.3576

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



Electrosynthesis of O3. I. Kinetics of the Synthesis of O3 Under Flow Conditions, by Yu. N. Filippov, Yu. I. Emel'yanov.
[illegible], per, Zh Fiz Khim, Vol 35, 1961, pp 407-416.
AEC-tr-[illegible]-522

Acc-Chem
Jan 68

348,751

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Specific Electrical Conductivity of Aqueous Potassium Chloride Solutions at High Temperature, by S. V. Gerbachev, V. I. Kondratev.

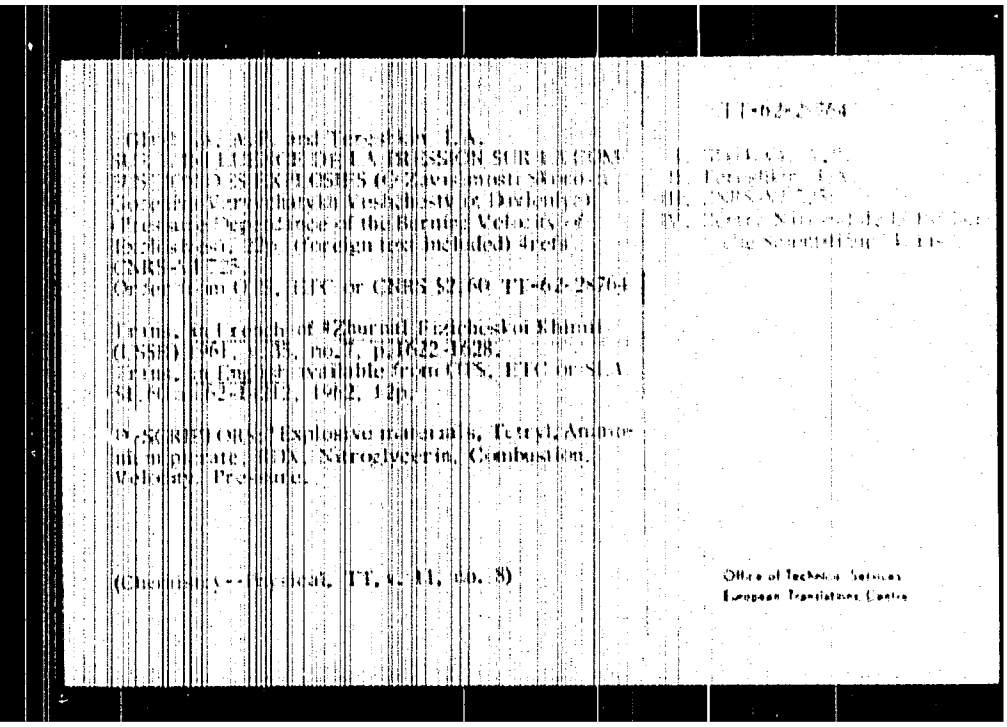
RUSSIAN, per: Zhur Fiz Khim, Vol XXXV, No 6, 1961,

NSDIA

Sci
Jun 63

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0



TT-62-2764

Office of Technical Services
European Translations Centre

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0

Zarif'yants, Y. A., Kiselev, V. F., and Fedorov, G. G.
ADSORPTION CHIMIQUE DE L'OXYGENE A LA SURFACE DU GRAPHITE POLYCRISTALLIN
Izhchaky Adsorbtsiya Kislorada na Poverkhnosti Svezhego Russkogo Grafita [tr. by Mikailovich], 26 Dec 61
[8]p. (Refs at end of text [includes] 3 refs. CEA Trans.
no. R 1462 (Text in French)
Order from OTS for $1.10 62-24573

Trans. of French ed. Zh[urnal] Fiz[icheskoi] Khim[ii]
(USSR) 1961, v. 35, no. 8, p. 1885-1886.

DESCRIPTORS: *Adsorption, *Oxygen, *Graphite, Cooling, Temperature.

(Chemistry--Physical, TT, v. 5, no. 3)

62-24573

I. Zarif'yants, Y. A.
II. Kiselev, V. F.
III. Fedorov, G. G.
IV. CEA-tr-R1462
V. Commissariat a l'Energie Atomique (France)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660048-0